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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/919,661      | 07/31/2001  | Glenn Adler          | US018114            | 4666             |

7590 01/24/2003

Corporate Patent Counsel  
U.S. Philips Corporation  
580 White Plains Road  
Tarrytown, NY 10591

EXAMINER

DINH, DUC Q

ART UNIT PAPER NUMBER

2674

DATE MAILED: 01/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

87M

# Office Action Summary

Application No.

09/919,661

Applicant(s)

ADLER, GLENN

Examiner

DUC Q DINH

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 31 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Beeteson et al (U.S. Patent No. 5,877,745) hereinafter Beeteson.

In reference to claim 1, Beeteson discloses in Fig. 1-3 monitor 20 (corresponding to the display monitor), monitor 20 is connected to system unit 10 by an interface cable 110. Interface cable 110 includes Red (R), Green (G), and Blue (B) video signal lines and horizontal (H) and vertical (V) synchronization (sync) signal lines collectively represented by 70, together with a bidirectional serial data communication channel (C) 60. Keyboard 30, mouse 40, printer 50 (peripheral device) have RF transceivers (not shown). Data transfer between display device 20 and each of printer 50, mouse 40, and keyboard 30 is facilitated by wireless communication links 100, 90, and 80 (stand-alone mode), respectively. Display device 20 comprises a display screen 22 connected to display drive circuitry 21. A display processor 23 is connected to drive circuitry 21. Display processor 23 may be at least partially implemented by hard-wired logic, by a microprocessor configured by computer program microcode, or by a combination of the two. In operation, drive circuitry 21 drives display screen 22 to generate a picture as a function of video signals R, G and B and sync signals H and V supplied by adaptor 15 via lines 70 of interface cable 110, corresponding to operational mode (col. 2, lines 35-55). In addition, Beeteson

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disclose the circuitry 25 for enabling data communication with the peripheral device for user control for different modes.

In reference to claims 2-3, Beateson discloses controller 25 may be at least partially implemented by hard-wired logic, by a microprocessor configured by computer program microcode, or by a combination of the two. A radio frequency (RF) transceiver 28 is connected to controller 25 via a data buffer 26. Controller 25 is also connected, via a data buffer 27 to an infrared (IR) transceiver 29. Buffers 26 and 27 temporarily hold data being communicated between display device 20 and any of peripherals 30, 40 and 50 in case of a transmission error or a transmissions conflict between two or more peripherals. If an error or conflict is detected, data in the relevant buffer is resent. RF transceiver 28 is connected to an antenna 31. Similarly, IR transceiver 29 is connected by an IR emitter/detector shown generally by light emitting diode 32. Antenna 31 and emitter/detector 32 are both preferably, although not necessarily, internal to display device 20. Controller 25 includes a multiplexing means (corresponding to the further circuitry) for selectively connecting one of buffers 26 and 27 to serial data channel 60. Serial data channel 60 is switchable between controller 25 and processor 23 (col. 4, lines 37-57).

In reference to claim 4, Beateson discloses the second input from PC 10 in Fig. 1-2.

In reference to claim 5, Beateson discloses that prior to communicating said peripheral data between said second peripheral device and said display device, converting said peripheral data into a security-encrypted format (col 10, lines 32-38).

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***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **DUC Q DINH** whose telephone number is **(703) 306-5412**. The examiner can normally be reached on Mon-Fri from 8:00.AM-4:00.PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **RICHARD A HJERPE** can be reached on **(703) 305-4709**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**Or faxed to:**

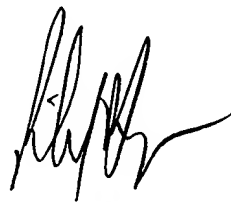
**(703) 872-9314 (for Technology Center 2600 only)**

Hand-delivery response should be brought to: Crystal Park II, 2121 Crystal Drive,  
Arlington, Va Sixth Floor (Receptionist)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

DUC Q DINH  
Examiner  
Art Unit 2674

DQD  
January 20, 2003



**RICHARD A. HJERPE**  
SUPERVISOR, PATENT EXAMINER